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FIG. 1

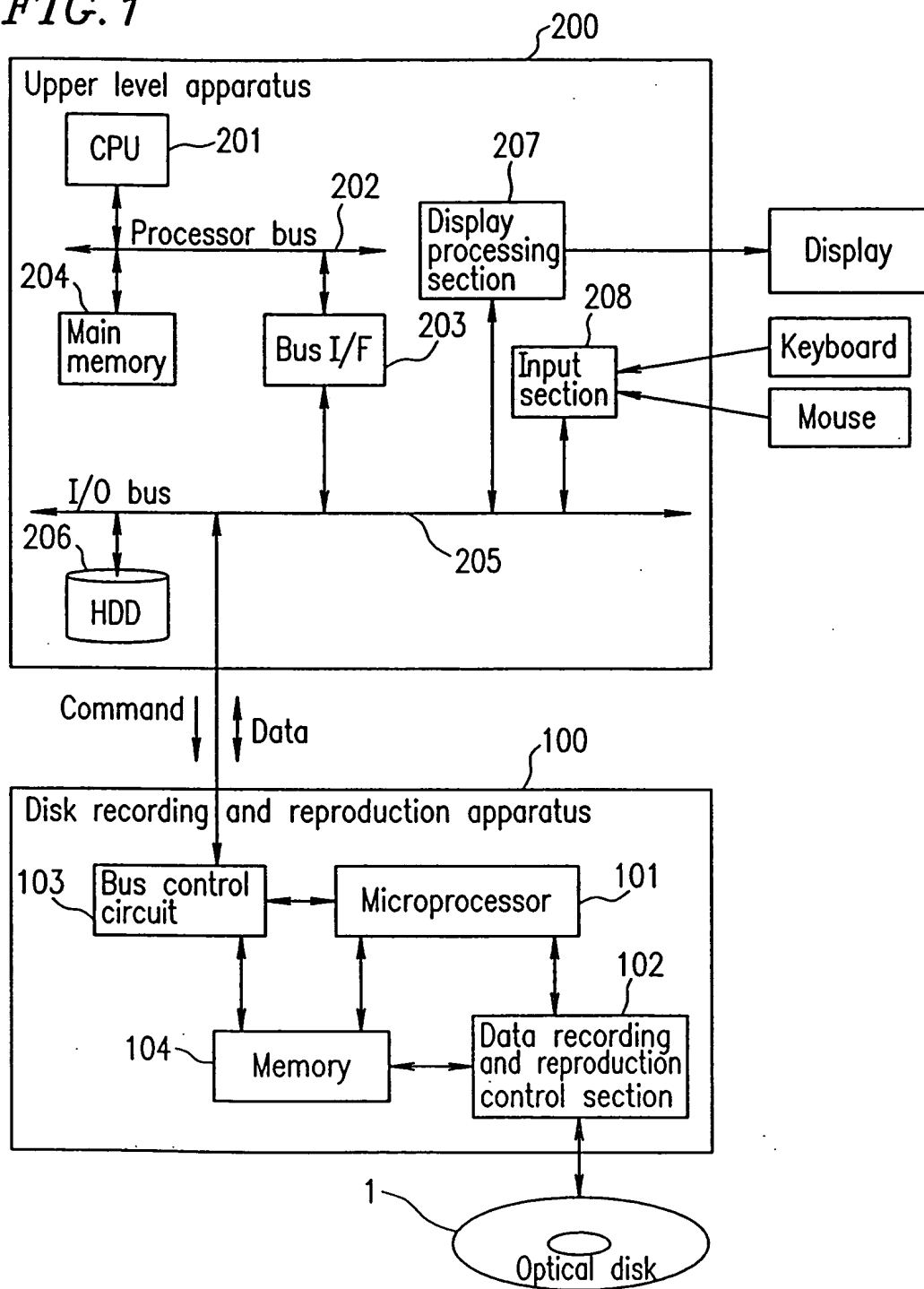
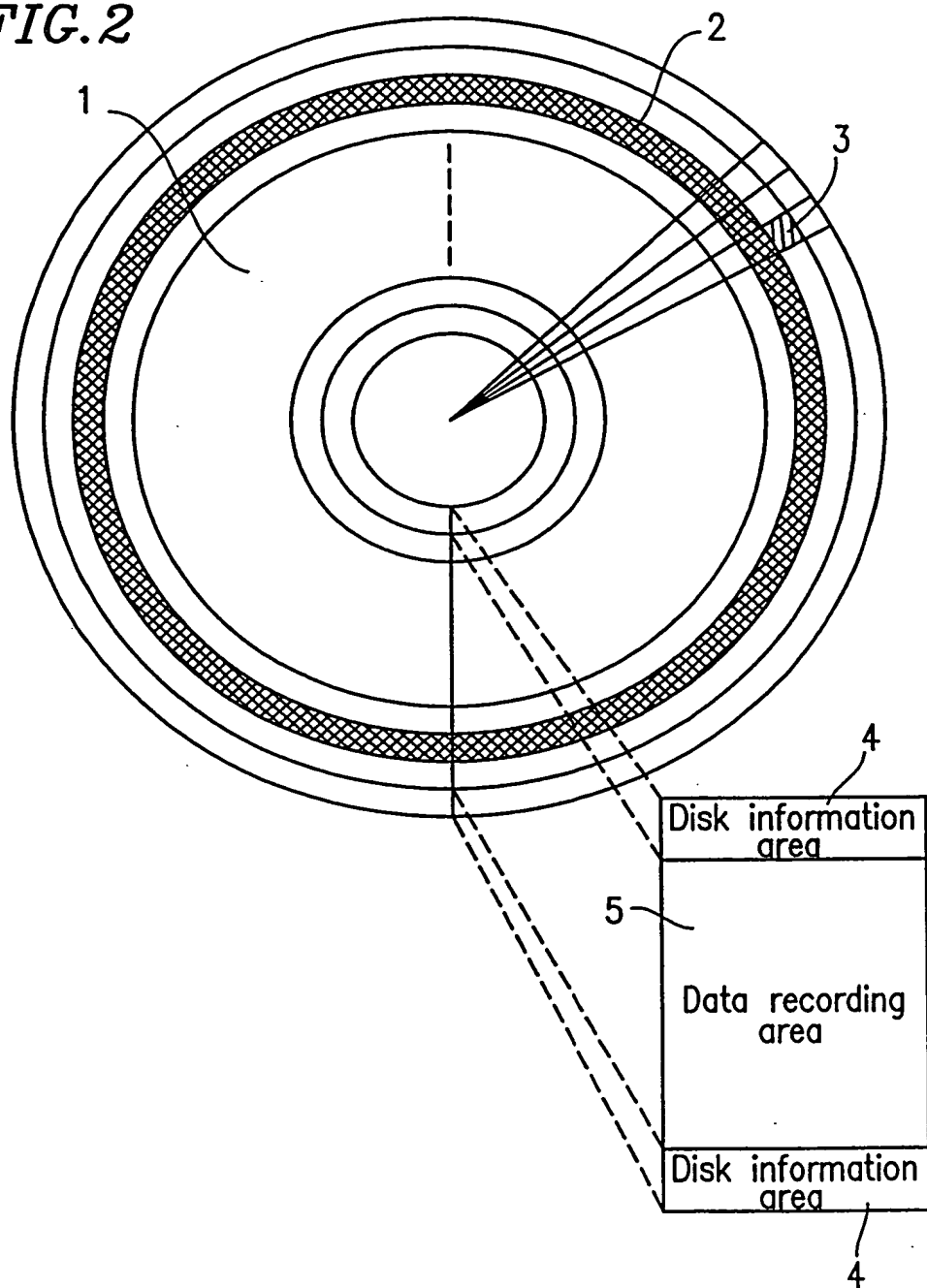
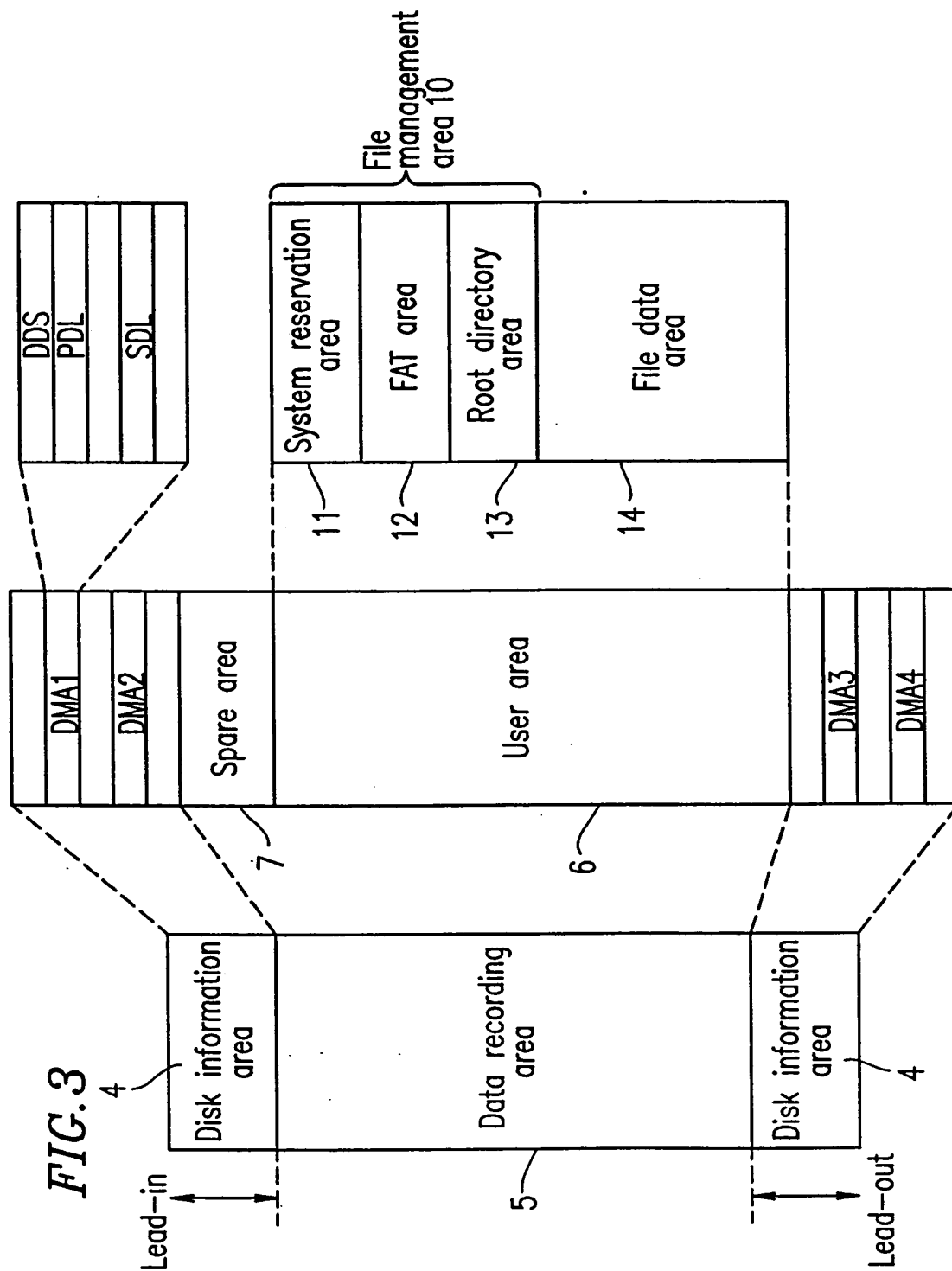
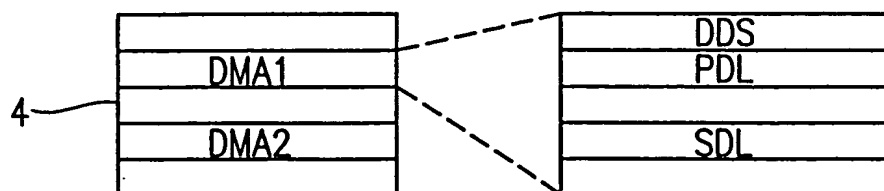


FIG. 2





*FIG. 4*



**FIG.5**

DDS

Header
Partition information
PDL location information
SDL location information
Physical sector number of sector to which LSN:0 is assigned
⋮

*FIG. 6A*

PDL

	Header(total number of entries)
1st entry	Physical sector number of 1st defective sector
2nd entry	Physical sector number of 2nd defective sector
3rd entry	Physical sector number of 3rd defective sector
	⋮
m'th entry	Physical sector number of m'th defective sector

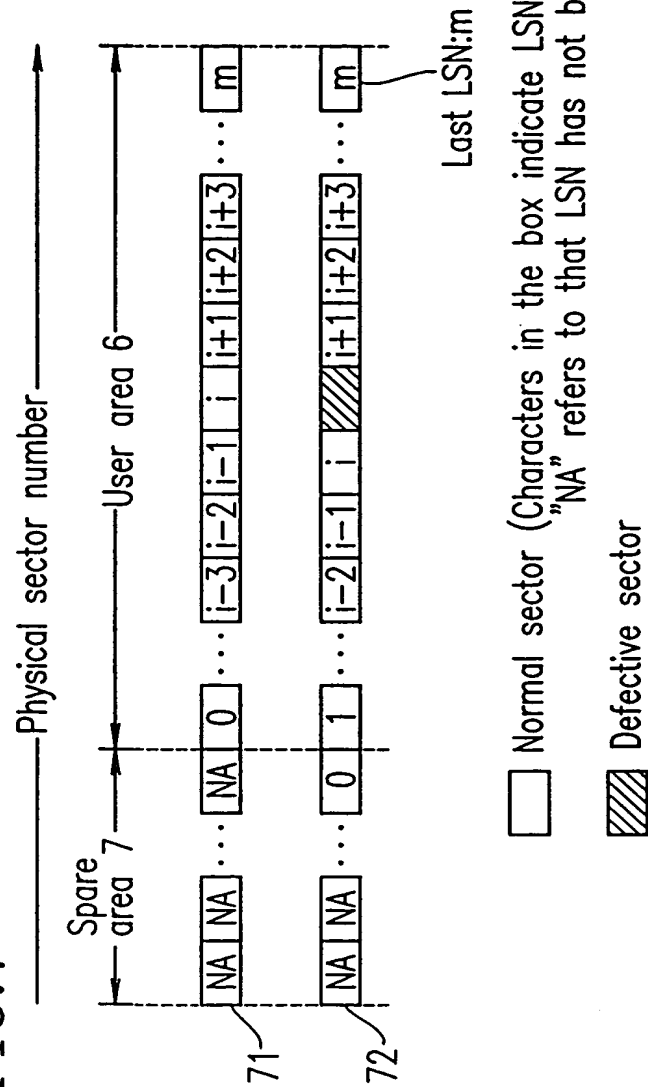
**FIG. 6B**

SDL

	Header (total number of entries)	
1st entry	Physical sector number of 1st defective sector	Physical sector number of 1st replacing sector
2nd entry	Physical sector number of 2nd defective sector	Physical sector number of 2nd replacing sector
3rd entry	Physical sector number of 3rd defective sector	Physical sector number of 3rd replacing sector
	• • • •	• • • •
n'th entry	Physical sector number of n'th defective sector	Physical sector number of n'th replacing sector



FIG. 7



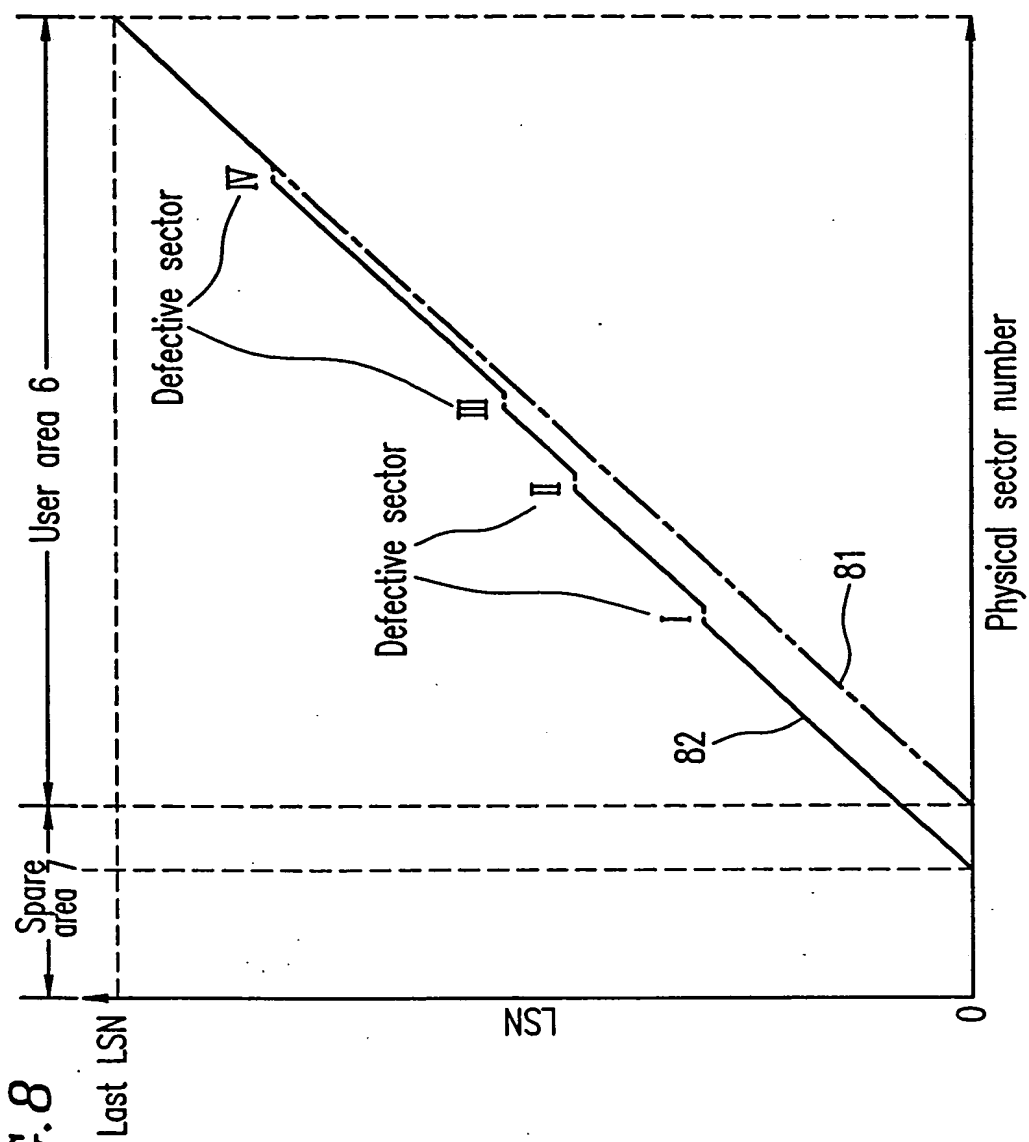
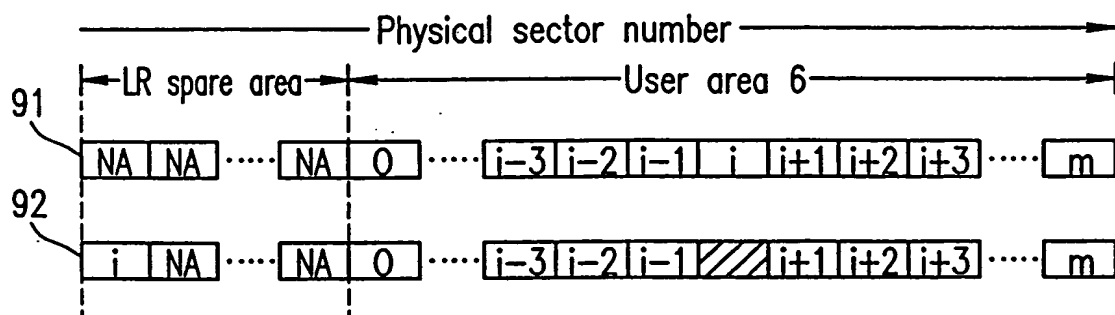


FIG. 8

FIG. 9



☐ Normal sector (Characters in the box indicate LSN;  
 "NA" refers to that LSN has not been assigned.)  
☒ Defective sector

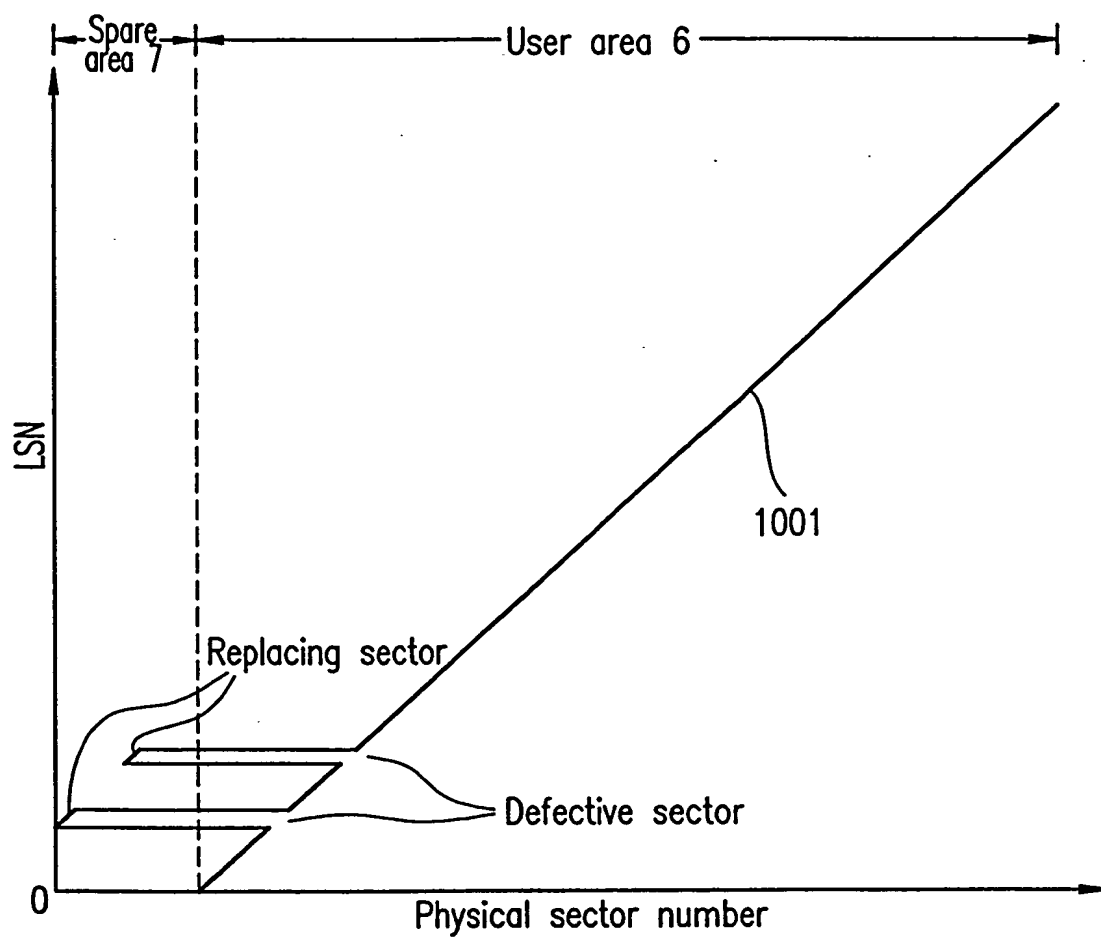
**FIG. 10**

FIG. 11

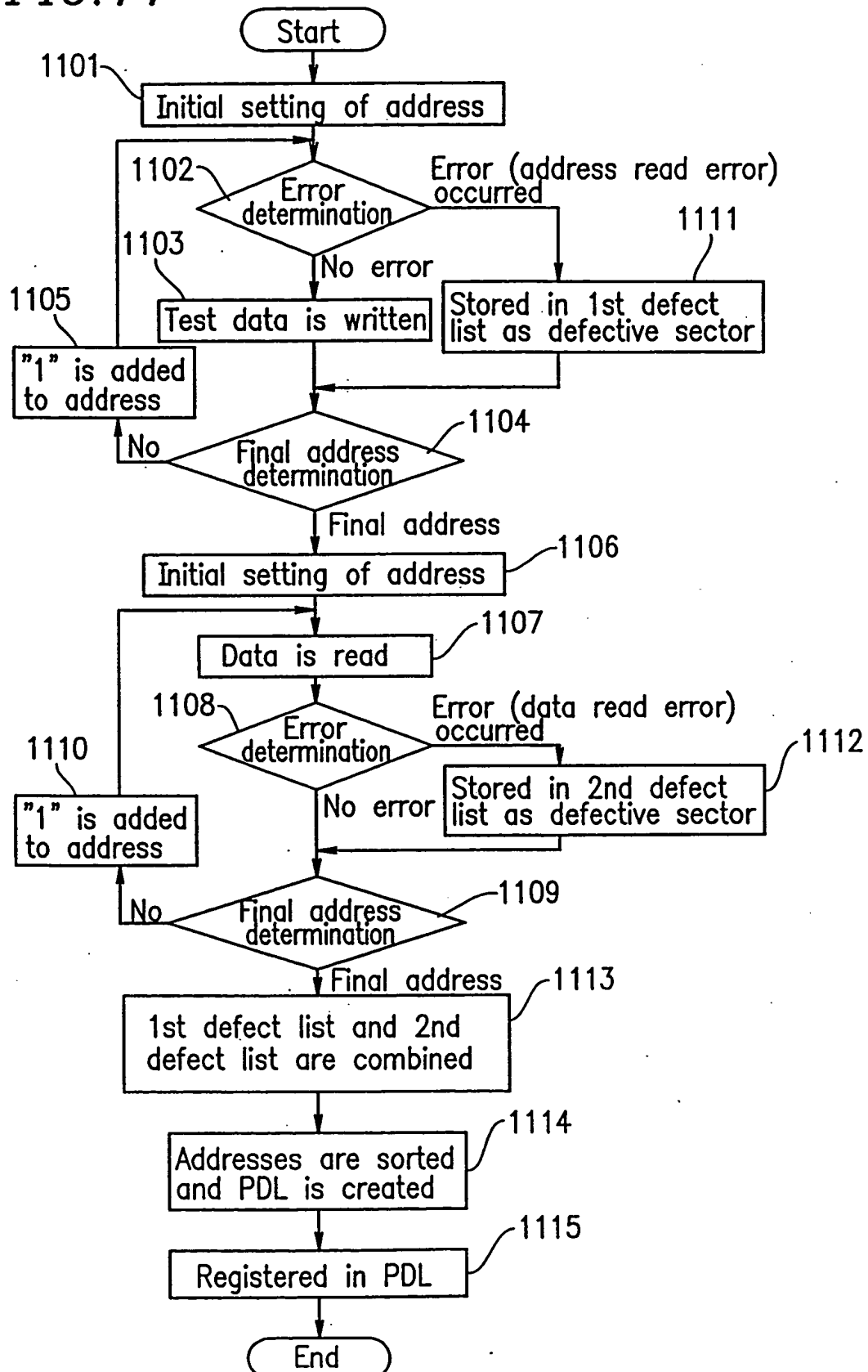


FIG. 12

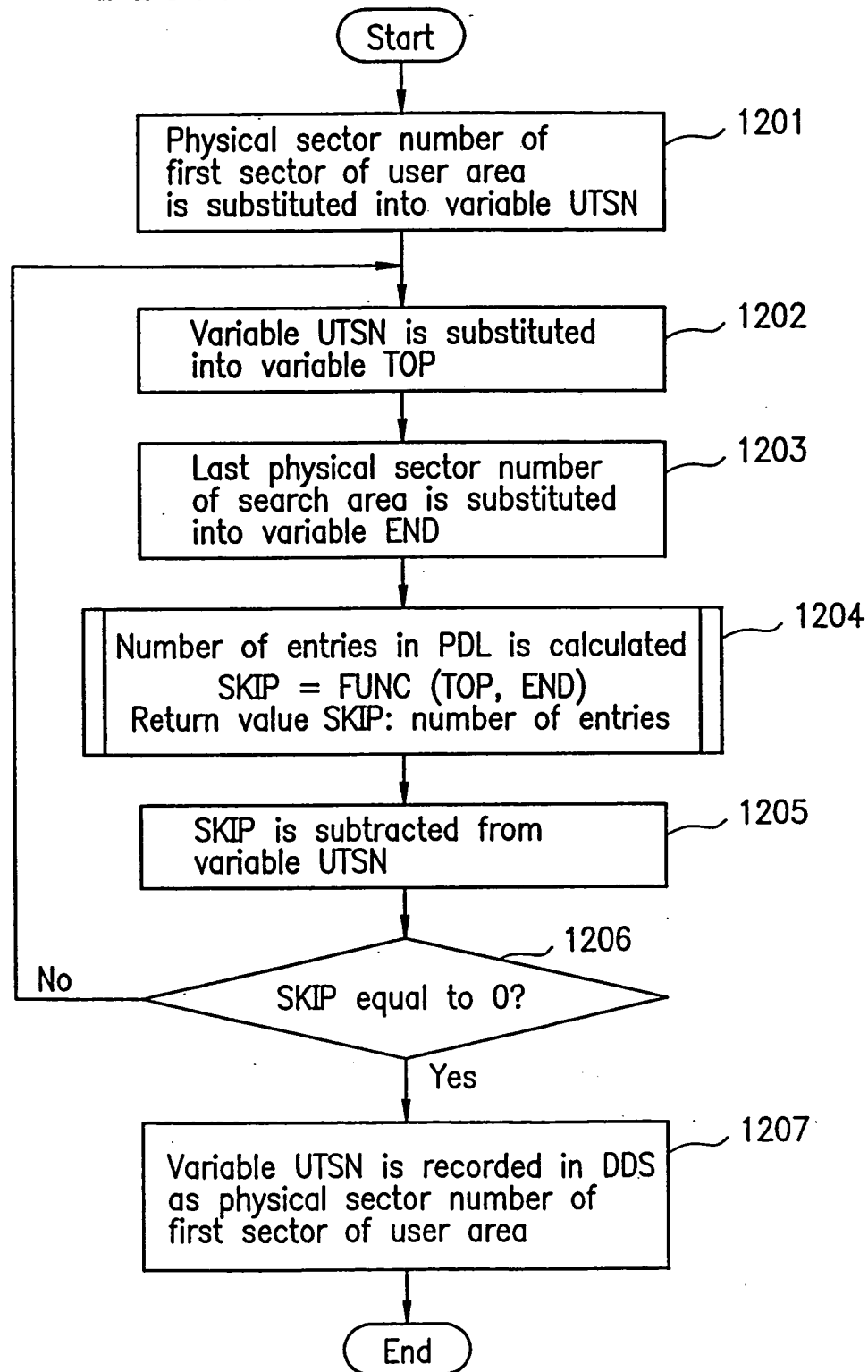


FIG. 13

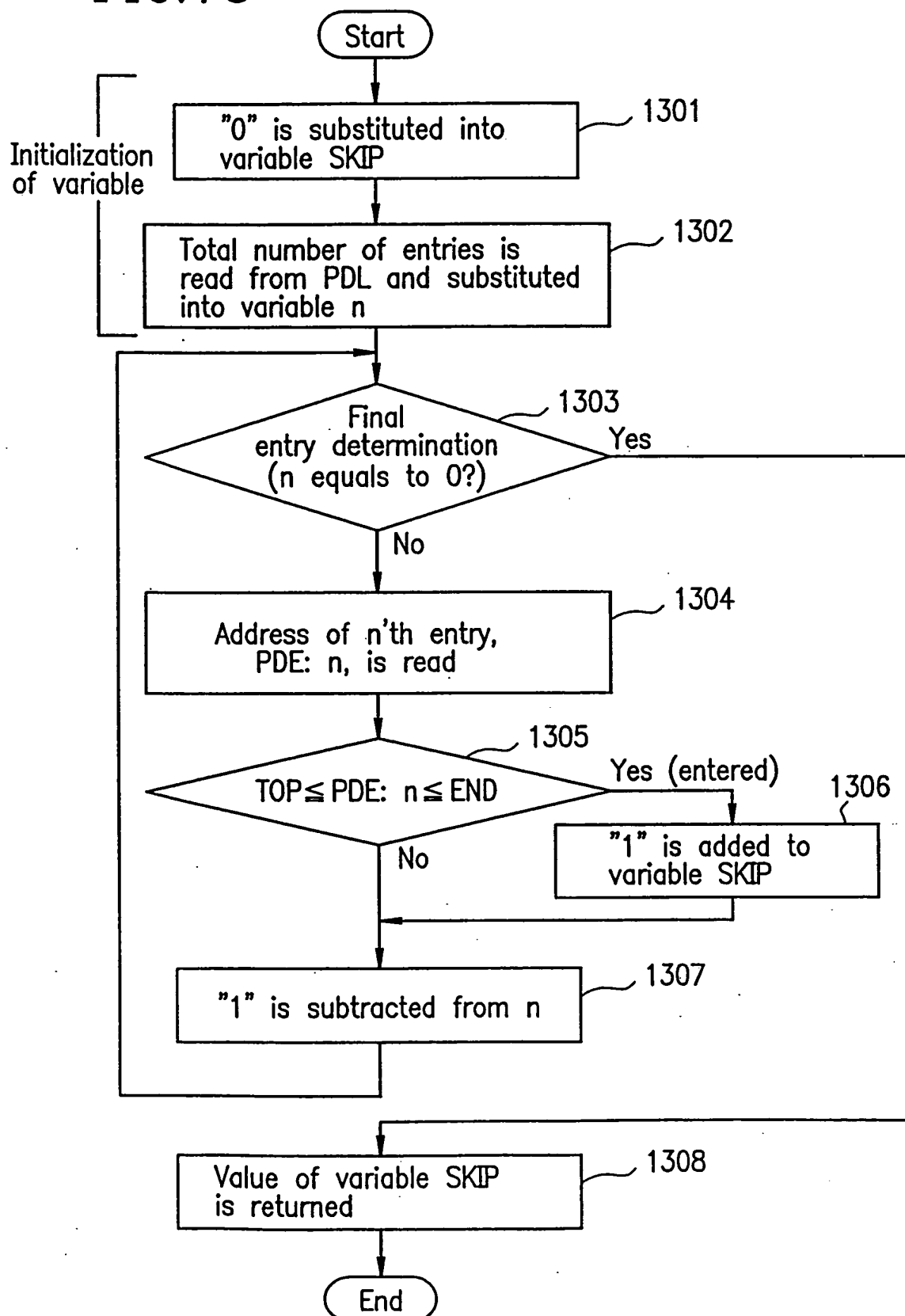
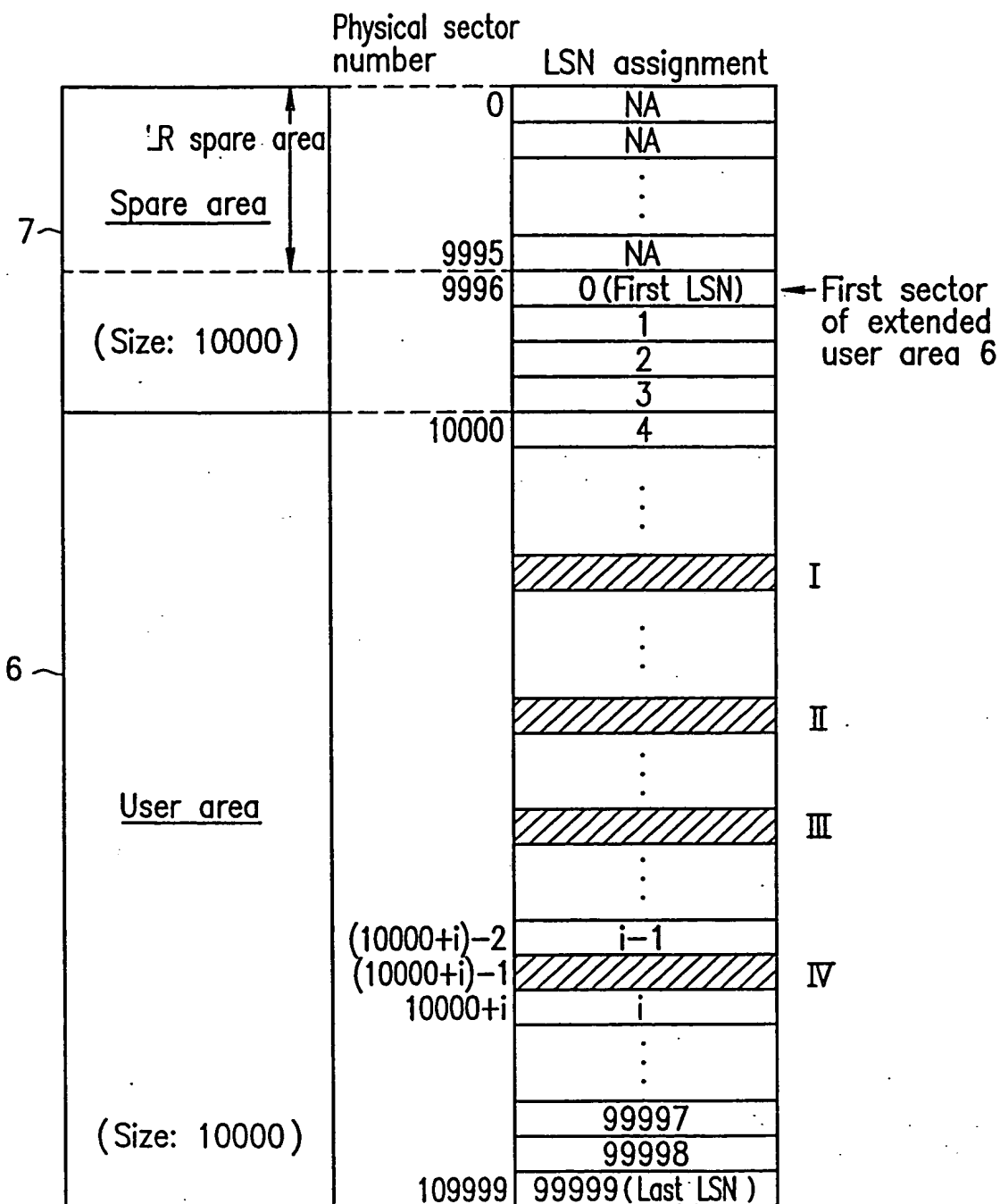


FIG. 14



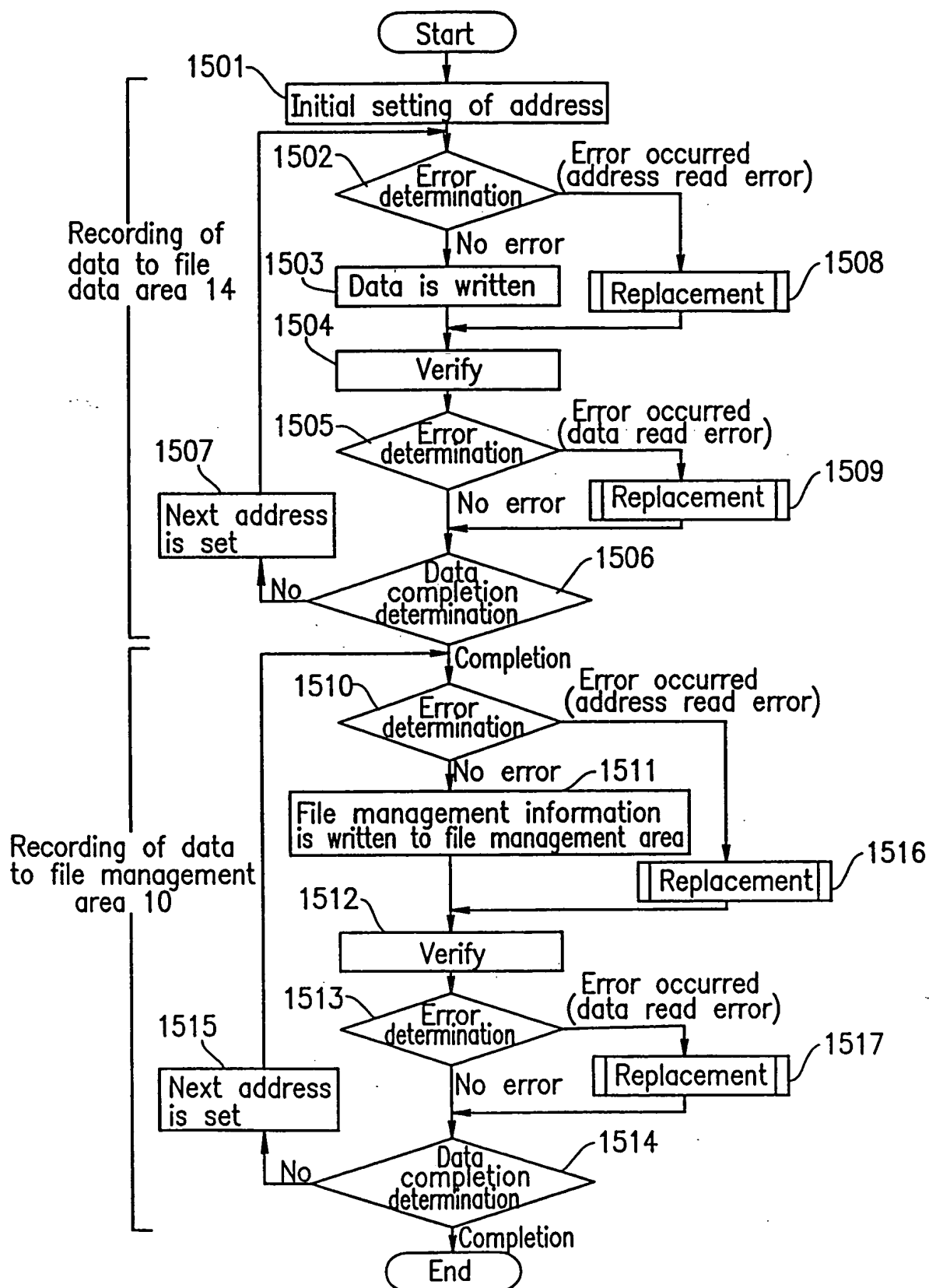
 Defective sector registered in PDL

 LSN Normal sector

( Characters in the box indicate LSN;  
 "NA" refers to that LSN has not  
 been assigned. )



FIG. 15



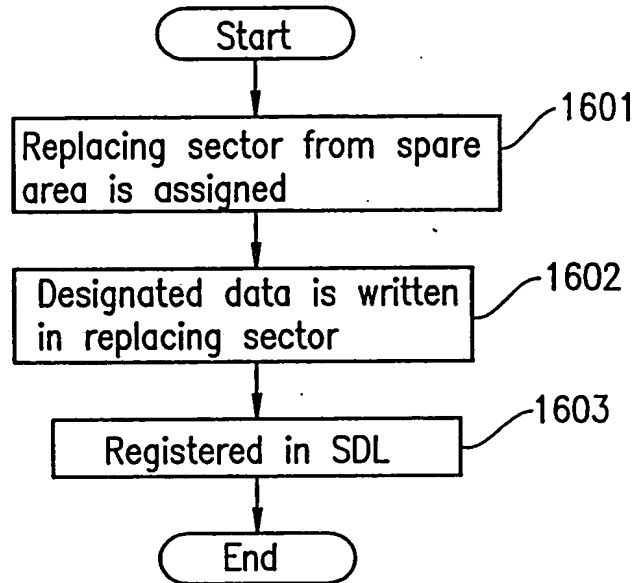
*FIG. 16*

FIG. 17

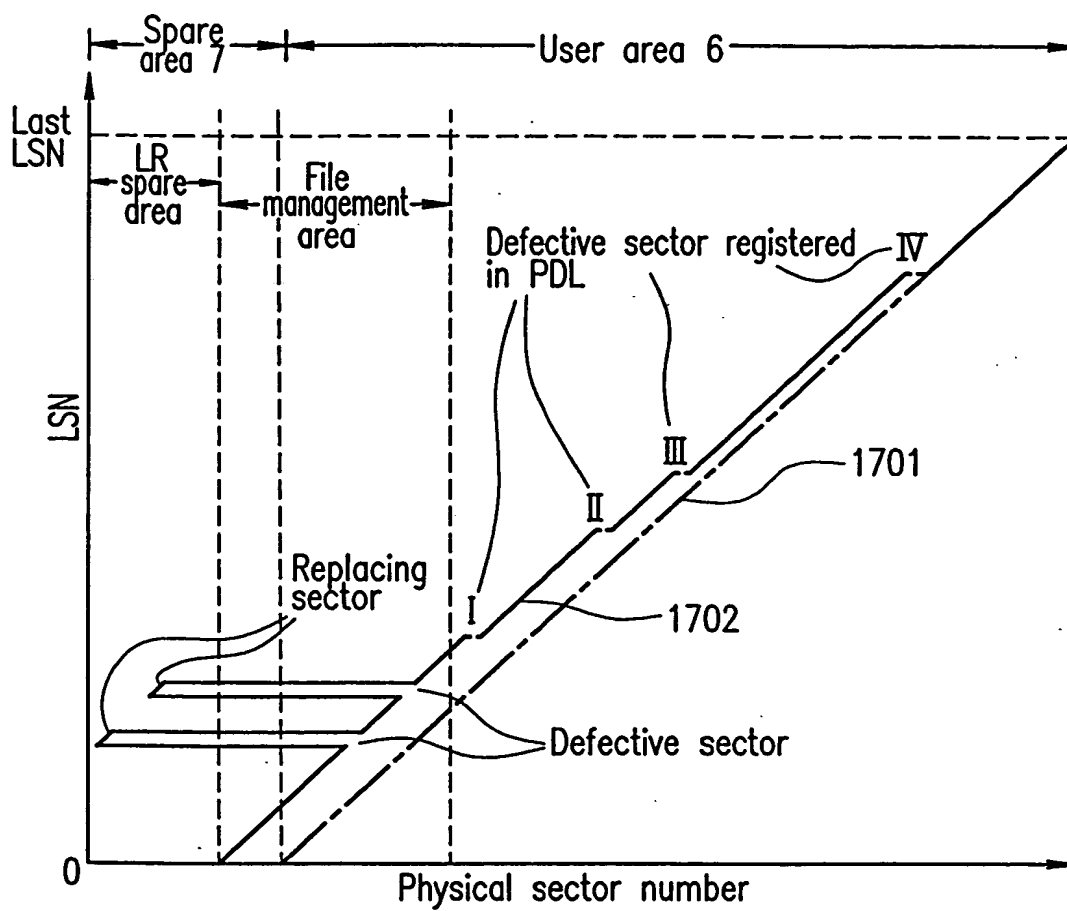


FIG. 18

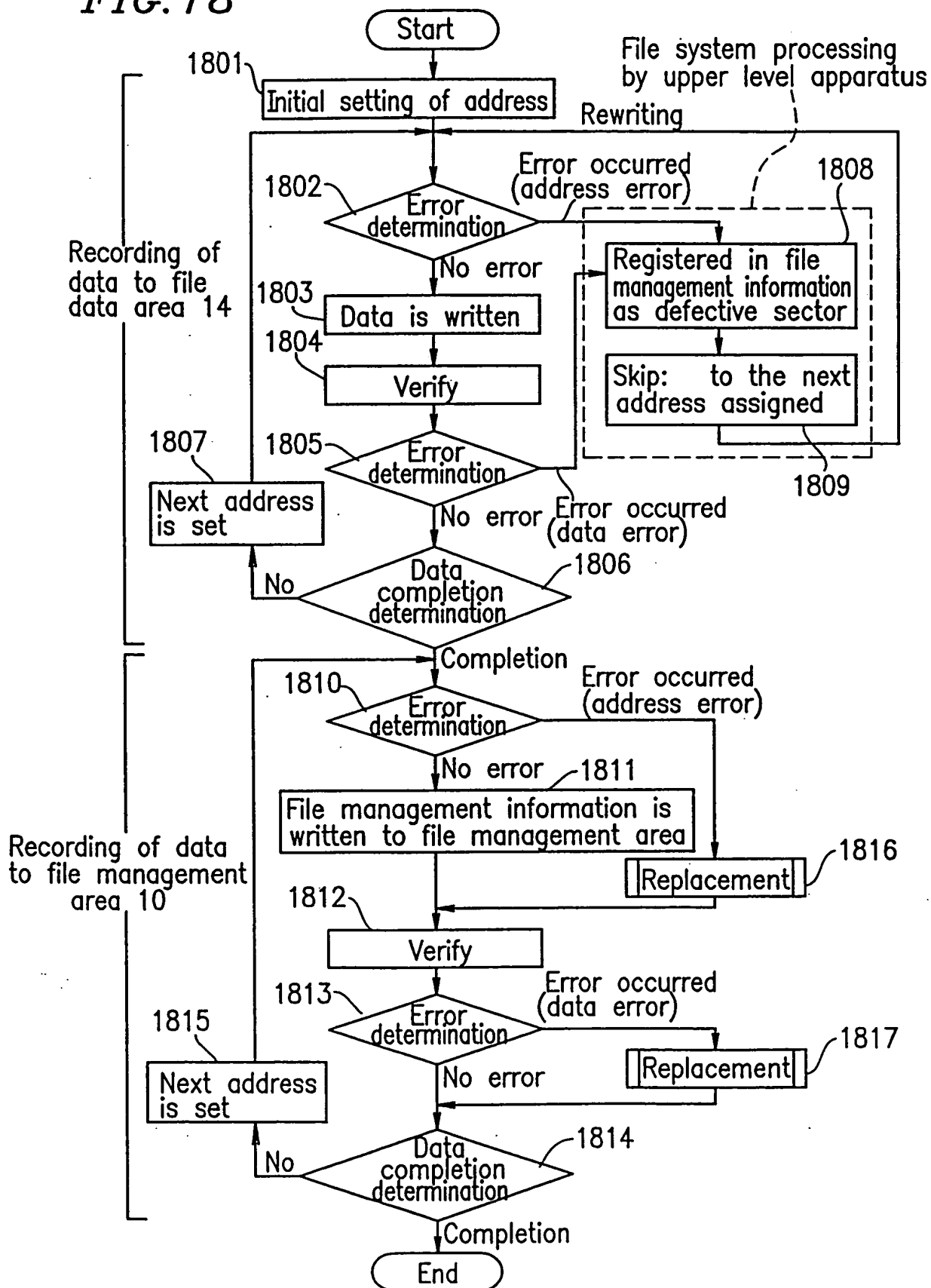


FIG. 19

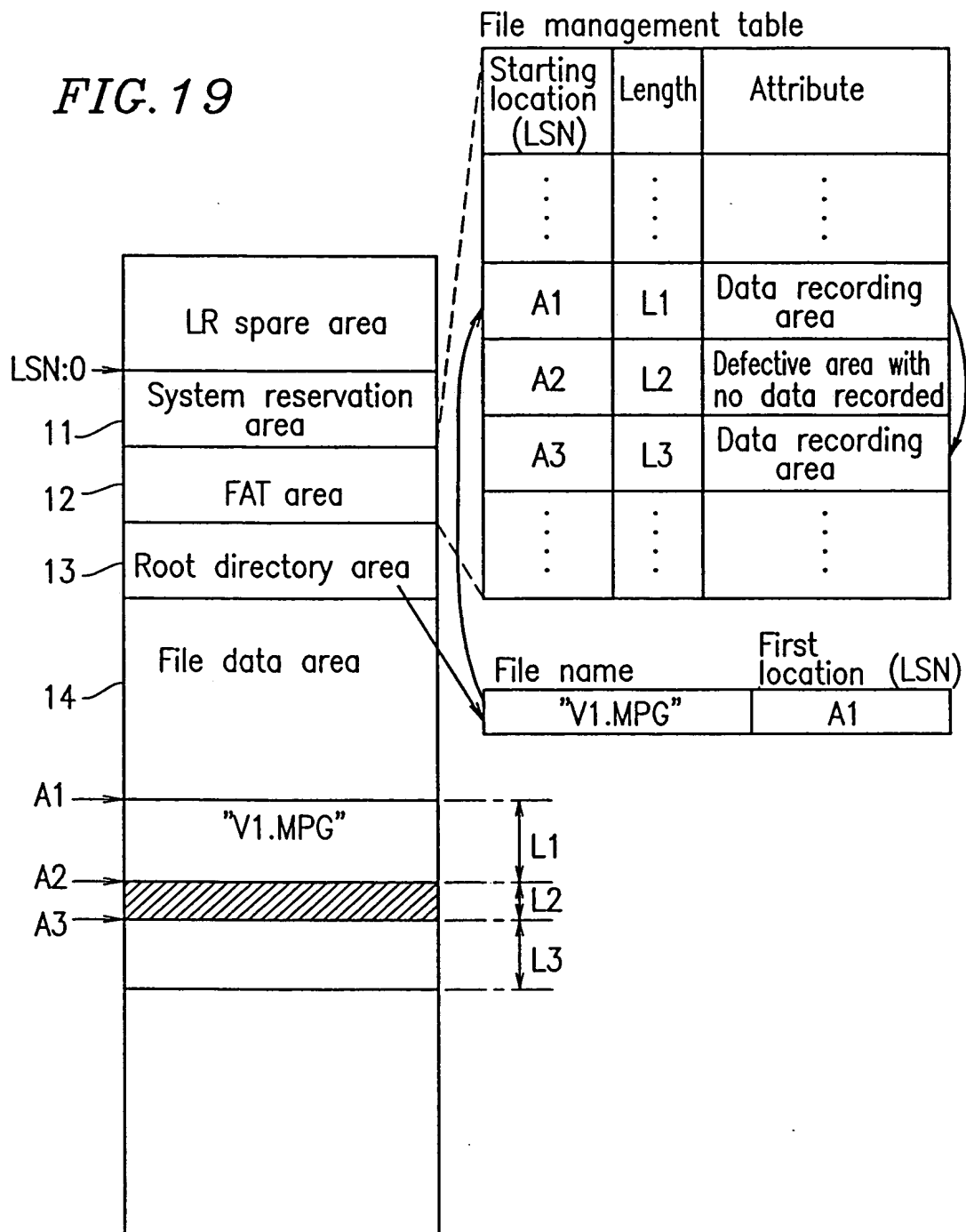
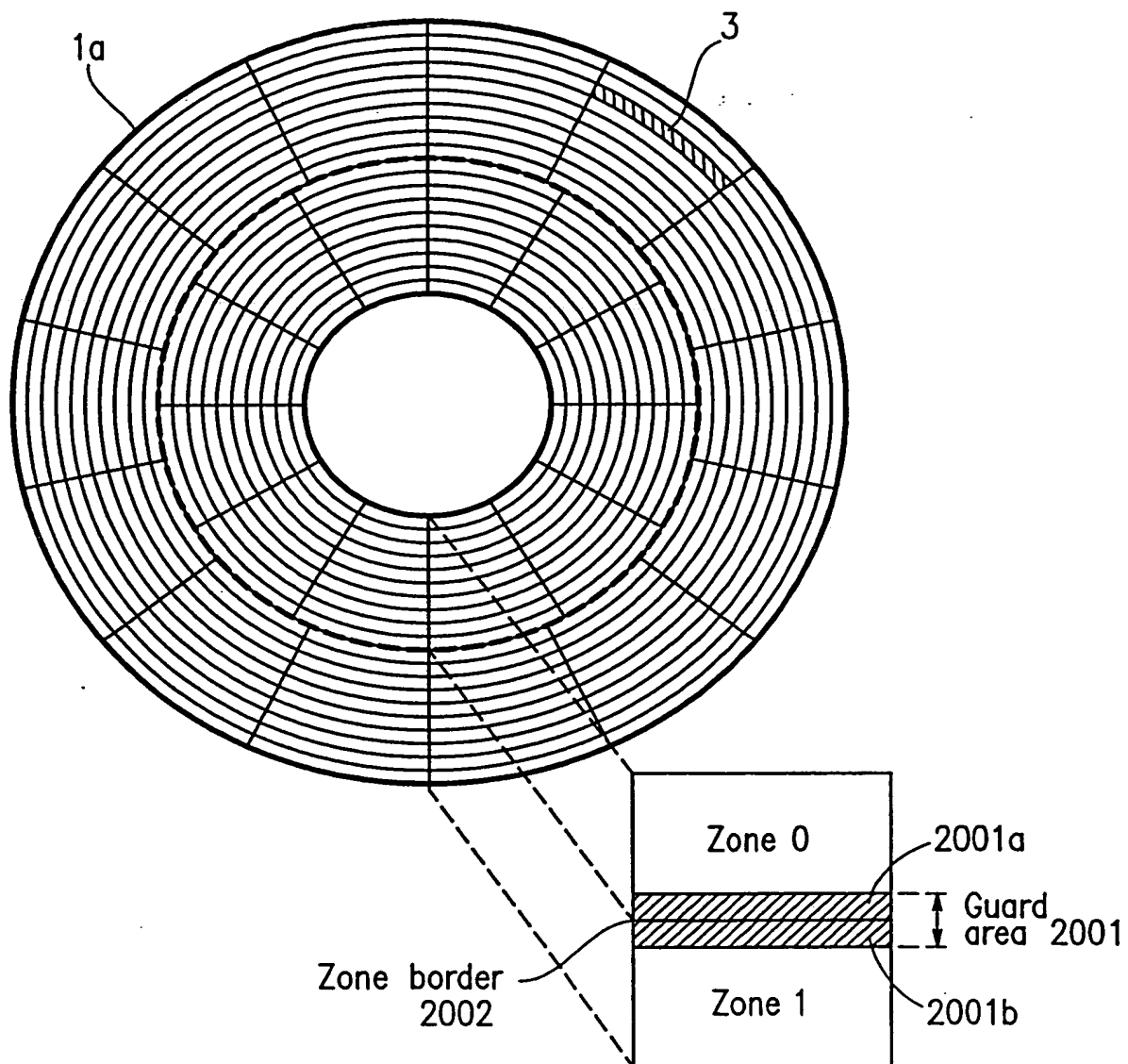


FIG. 20



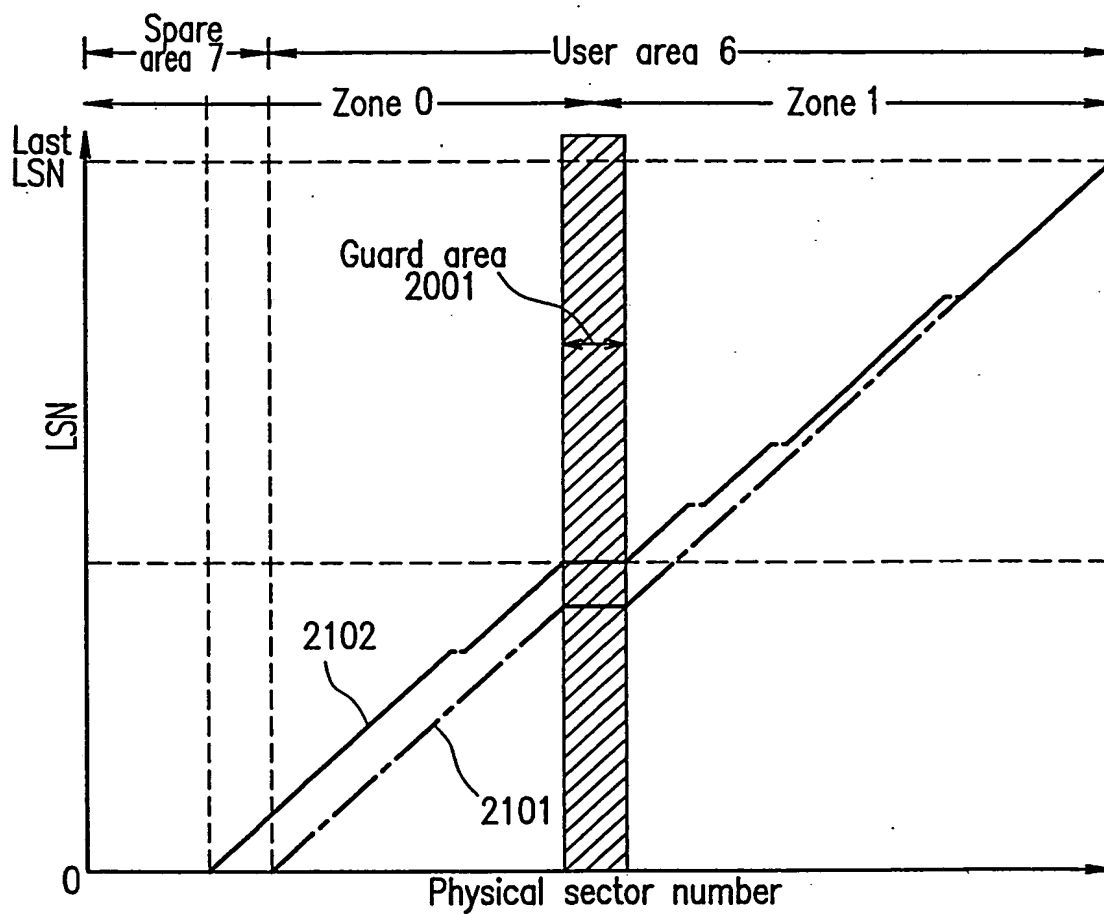
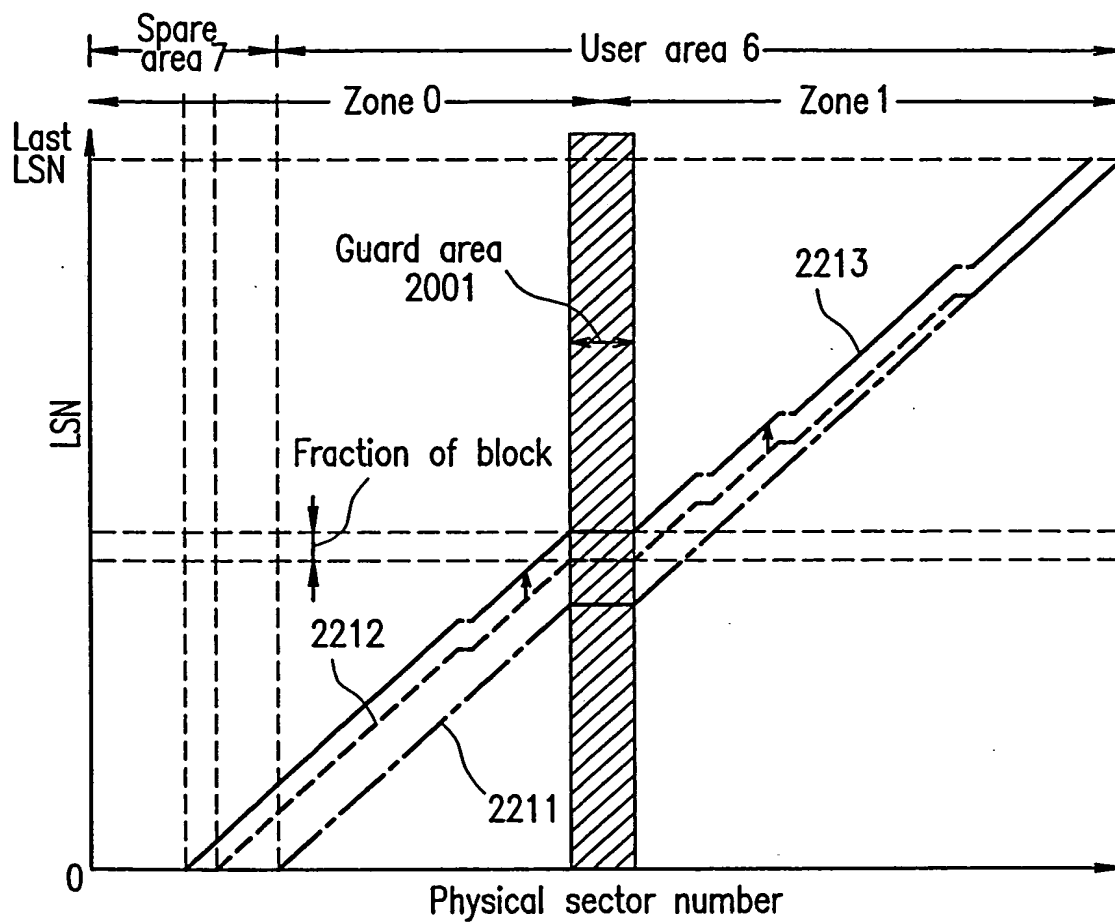
**FIG. 21**





FIG. 22B

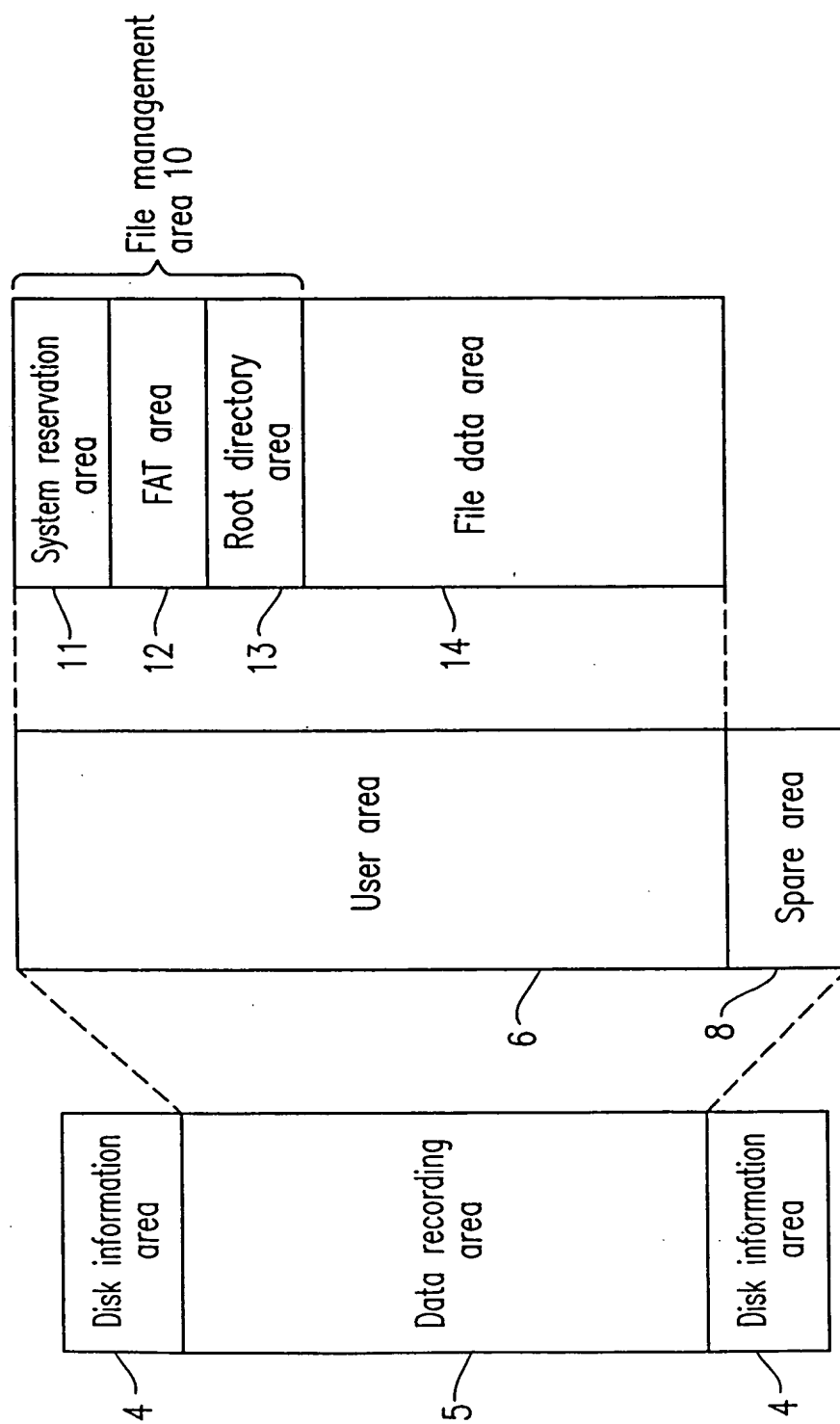


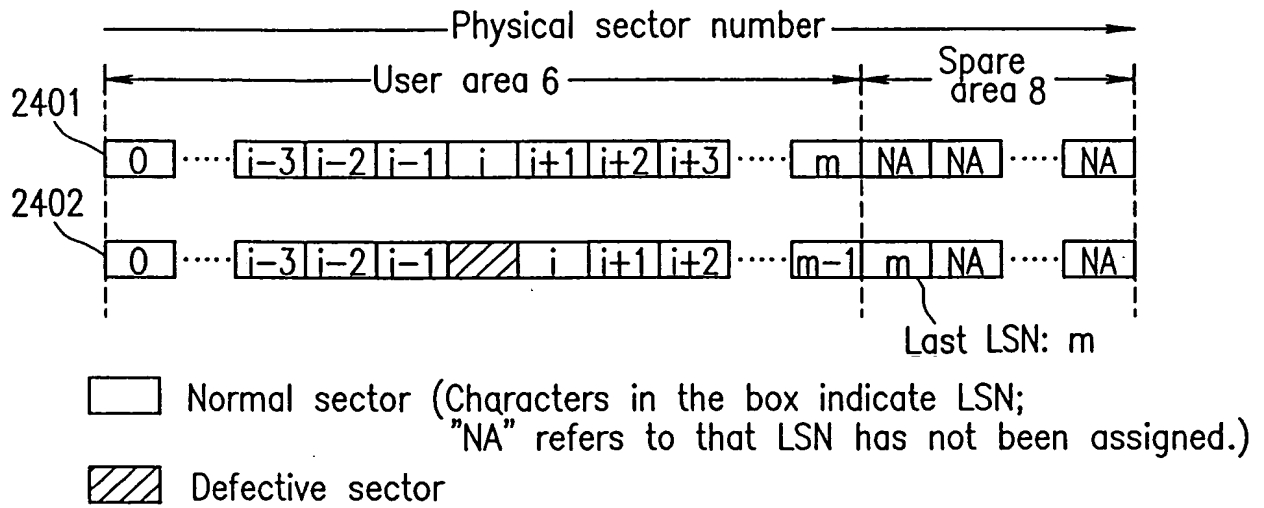
*FIG. 22C*

DDS

Header
Partition information
PDL location information
SDL location information
Physical sector number of sector to which LSN:0 is assigned
LSN assigned to first sector of zone 0
LSN assigned to first sector of zone 1
⋮
LSN assigned to first sector of zone n
⋮

FIG. 23



*FIG. 24*

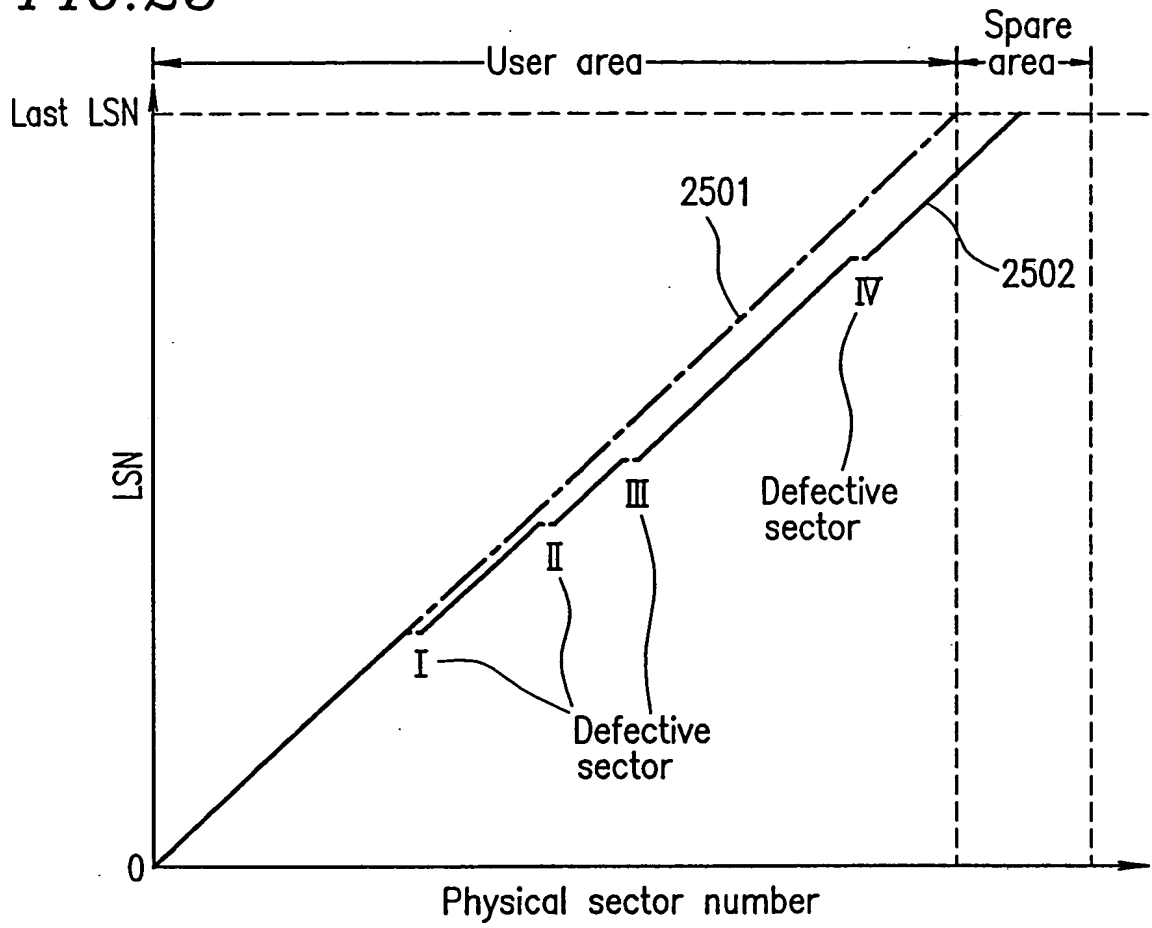
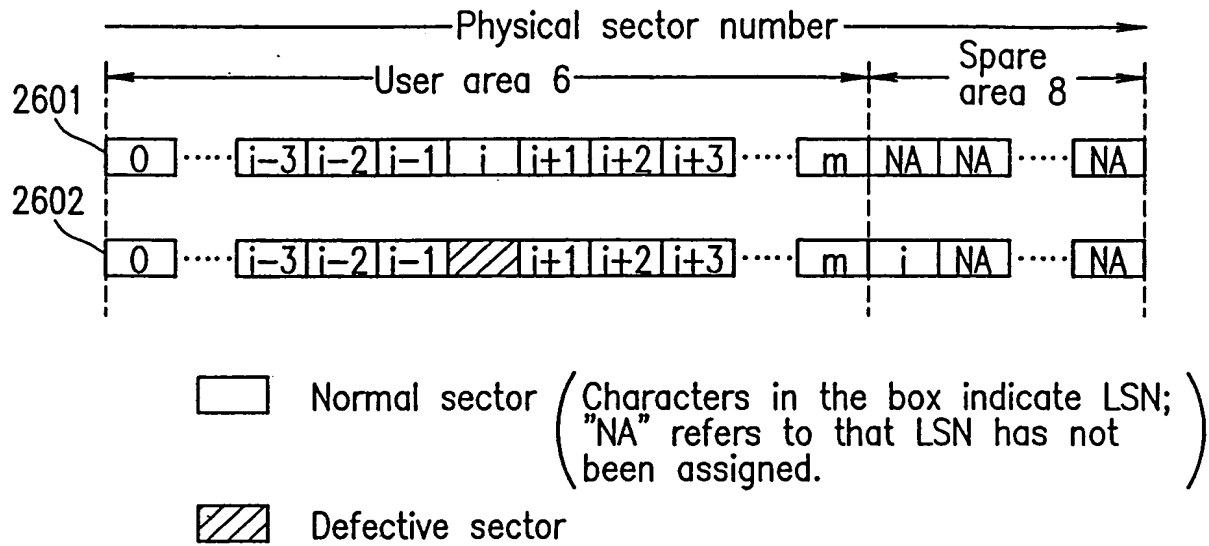
*FIG. 25*

FIG. 26



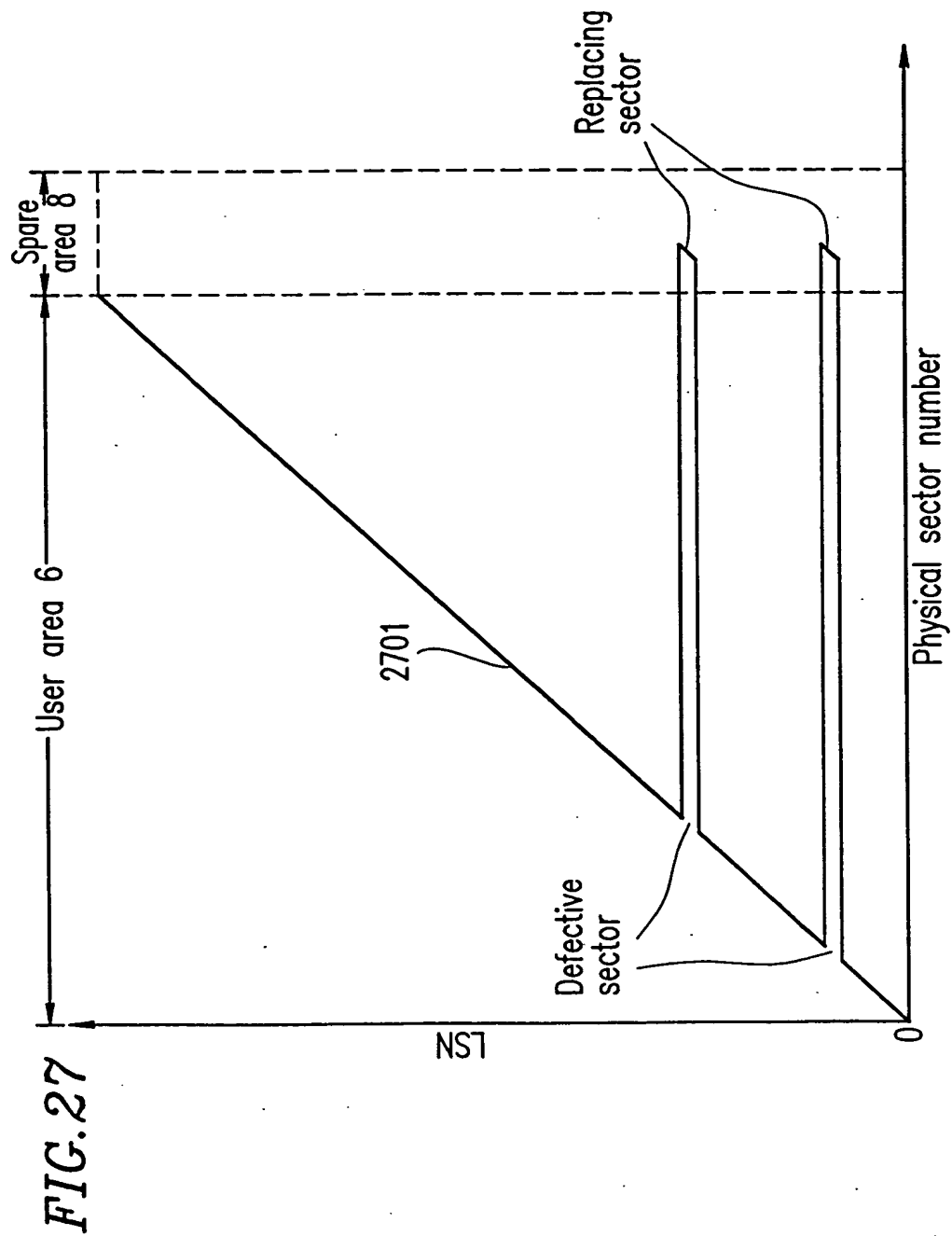
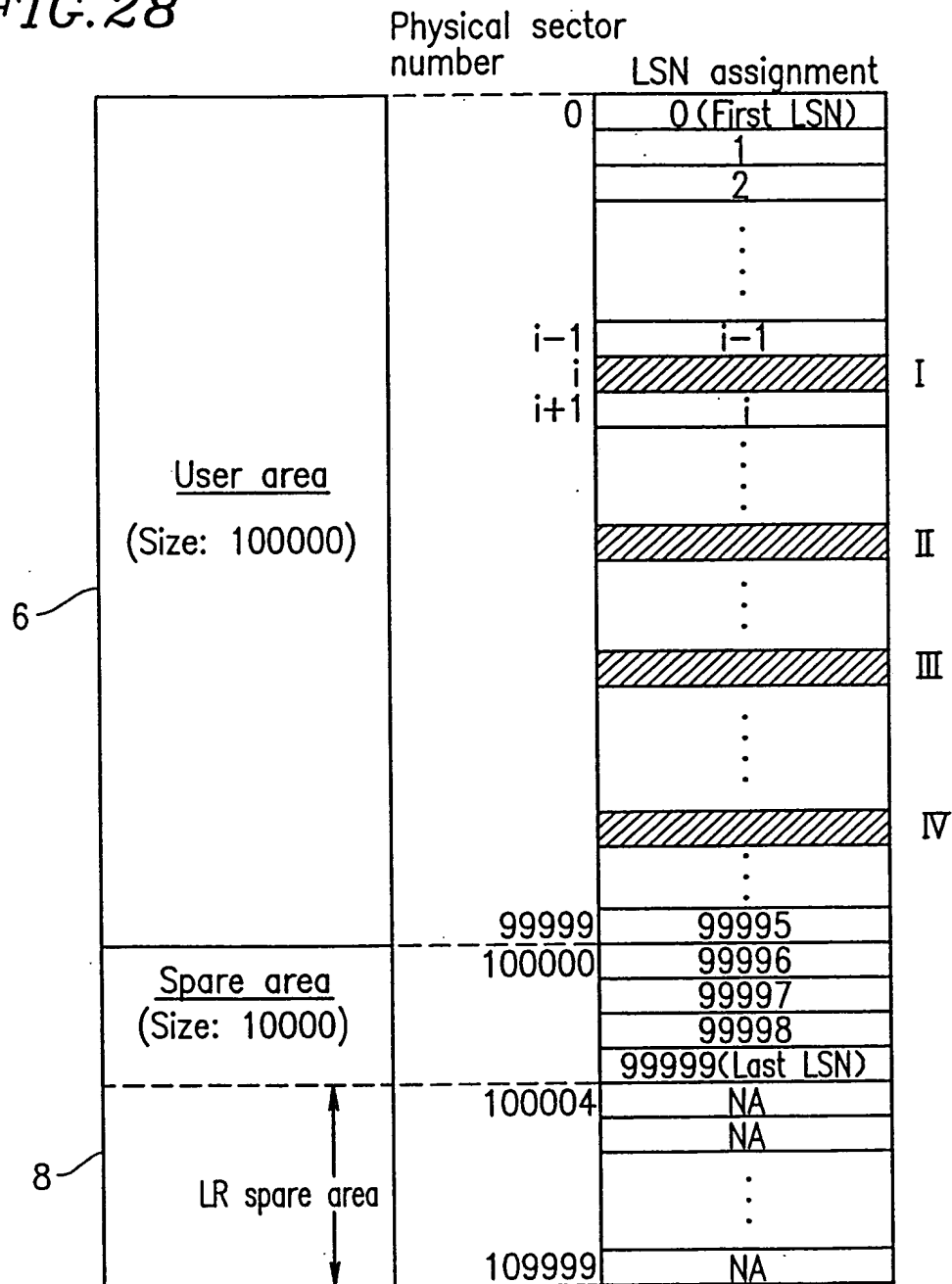



FIG. 28



 Defective sector registered in PDL

 Normal sector  
 (Characters in the box indicate LSN;  
 "NA" refers to that LSN has not  
 been assigned.)